

# Howard Johnson's

## PREVENTS CRABGRASS PLUS with 0.13% DITHIOPYR

**SELECTIVE HERBICIDE PLUS FERTILIZER FOR PREEMERGENCE CONTROL OF LISTED ANNUAL GRASSES AND BROADLEAF WEEDS IN ESTABLISHED LAWNS & ORNAMENTAL TURF**

ACTIVE INGREDIENT:  
Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester . . . . .0.13%  
INERT INGREDIENTS: . . . . .99.87%  
TOTAL: . . . . .100.00%

EPA Reg. No. 32802-78  
EPA Est. No. 32802-MO-1 (B)

Read the entire "Directions for Use" and "Warranty Statement" before using this product. If terms are not acceptable, return the unopened product container at once to the seller.

GUARANTEED ANALYSIS	
ACTIVE INGREDIENT:	Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester . . . . .0.13%
INERT INGREDIENTS:	. . . . .99.87%
TOTAL:	. . . . .100.00%

**KEEP OUT OF REACH OF CHILDREN**  
**PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION:** Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.  
**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift or runoff may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

First Aid	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>Call a poison control center or physician immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or physician.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

**Hot line number:**  
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
In the State of New York: For use by professional turf applicators only, at no more than 8.8 lbs per 1000 square feet per year (0.5 pounds AI per acre per year). Not for use in Nassau or Suffolk Counties.  
Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

**GENERAL INFORMATION:** This product contains turf fertilizer plus a selective herbicide for control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turf. Apply this product only to seeded, sodded, or sprigged turf that is well established. Turf must develop a good root system and uniform stand, and have received at least two mowings following seeding, sodding or sprigging before making the first application of this product. Use of this product on turf that is not well established, or weakened by weather, pests or other stress, may increase the chance of turf injury.

This product provides pre-emergence control of crabgrass (large, smooth, and southern species) when applied prior to emergence of crabgrass from the ground. In addition, this product provides "early post-emergence" control during the early stages of growth after crabgrass emerges from the ground. This early post-emergence crabgrass control is limited, and post-emergence applications are only effective if applied before crabgrass has displayed its fifth leaf or first tiller (which generally corresponds to time when you can first see the crabgrass plants in the lawn). The benefit of this post-emergence activity is that it gives the user a 2 to 4 week longer period of time to make applications for effective control of crabgrass.

**WHERE TO USE:** This product may be used on the following established turfgrasses: Creeping Bentgrass\* (*Agrostis palustris*), Kentucky Bluegrass (*Poa pratensis*), Fine Fescue\*\* (*Festuca rubra*), Tall Fescue (*Festuca arundinacea*), Perennial Ryegrass (*Lolium perenne*), Bahiagrass (*Paspalum notatum*), Bermudagrass (*Cynodon dactylon*), Buffalograss\*\*\* (*Buchloe dactyloides*),

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Carpetgrass (*Axonopus compressus*), Centipedegrass (*Eremochloa ophiuroides*), Kikuyugrass (*Pennisetum clandestinum*), St. Augustinegrass (*Stenotaphrum secundatum*), Zoysiagrass (*Zoysia japonica*).

\*Turfgrass injury may result from use of this product on certain varieties of creeping bentgrass, such as Cohansey, Carmen, Seaside and Washington. Not all varieties of creeping bentgrass have been tested. Do not apply this product to Colonial Bentgrass (*Agrostis tenuis*) varieties.

\*\*Turfgrass injury may result from use of this product on the following Fescue varieties which are sensitive to this product: Atlanta, Banner, Beauty, Bilgart, CF-2, Enjoy, HF-93, Highlight, Ivalo, Koket, Jamestown, Majenta, Mary, Pennlawn, Tamara, Tatjana, Walfort and Waldina. Not all varieties of fescue have been tested.

\*\*\*Do not use this product on seedling Buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

**SPRING APPLICATIONS:** For single applications in the spring or early summer, use the appropriate rate from "Application Rates" table (depending on user's location, mowing height, pre- or post-emergent use). The duration of residual weed control is directly related to the total rate applied, but varies depending on weather, weed pressure and location. Use "Program 1" for preemergence control on areas where turf is cut high (home lawns) for 3 to 5 months of crabgrass control. This program should not be used for postemergence crabgrass control. Use "Program 2" for preemergence control where turf is cut low (golf course fairways) or where weed control was not conducted the previous year. This program provides 4 to 6 months of preemergence weed control, and also for early postemergence control of crabgrass. This product may be applied as a single application or as a split application for crabgrass control in the spring, summer or fall.

**FALL APPLICATION:** This product can also be applied in late summer or early fall (late August through November) at the "Program 2" rates for crabgrass control through the early part of the next spring. Fall applications must be followed by an appropriate spring application to provide season-long control.

**USE PRECAUTIONS:** Do not apply more than 8.8 pounds per 1000 square feet (0.5 pounds AI per acre) per application. Do not apply more than 26.4 pounds per 1000 square feet (1.5 pounds AI per acre) per year. (In New York, do not apply more than 8.8 lbs per 1000 square feet per year.)

Cultural practices such as aeration and de-thatching should be completed, and the turf allowed to recover before application of this product. Do not use clippings from treated turf for animal feed or for mulching around vegetables or fruit trees. Do not allow domestic animals to feed or forage on treated turf. Keep people and pets off treated areas until dust has settled. Do not use on golf course putting greens.

REGION	APPLICATION RATES for Crabgrass Control	
	PROGRAM 1 PREEMERGENCE USE (high cut turfgrass)	PROGRAM 2 PREEMERGENCE USE (low cut turfgrass) POSTEMERGENCE USE
North	2.2 lbs / 1000 sq ft (96 lbs / acre) 0.125 lbs AI / acre	4.44 lbs / 1000 sq ft (192 lbs / acre) 0.25 lbs AI/acre
Transition	3.25 lbs / 1000 sq ft (141 lbs / acre) 0.183 lbs AI / acre	6.5 lbs / 1000 sq ft (282 lbs / acre) 0.366 lb AI / acre
South	4.4 lbs / 1000 sq ft (192 lbs / acre) 0.25 lbs AI / acre	8.8 lbs / 1000 sq ft (384 lbs / acre) 0.50 lbs / acre
Coastal South	7.85 lbs / 1000 sq ft (342 lbs / acre) 0.366 lb AI / acre	8.8 lbs / 1000 sq ft* (384 lbs / acre* 0.50 lbs AI / acre*)
North: All other areas. Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, and coastal areas of CT, NY and RI South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN and TX Coastal South: HI, FL, southern coastal areas of AL, GA, LA, MS, NC, SC, TX *May require split or sequential applications for full control.		

Spreader	Spreader setting to apply at the listed rate (lbs per 1000 sq ft)					
	Cone setting	2.2 lbs	3.25 lbs	4.4 lbs	7.85 lbs	8.5 lbs
Accu-Pro 2000	6	K 1/2	L 1/2	M 1/2	Q	Q 1/2
SR2000	6	K 1/2	L 1/2	N	Q 1/2	R
Lesco 021820	0.25 Closed	C 1/2	D 1/2	E 1/2	I	J
Spyker 76-22		4.1	4.3	4.5	5.3	5.5
PSB Bigfoot	A.5	J	J 1/2	K1/2	N	N 1/2
Lely HR	II-B	4.75	5.25	6	8	8.5
Vicon 203		13	15	17	25	27

Settings shown are approximate for new equipment. Your spreader may need calibration, due to differences in terrain, walking speed and equipment condition. Calibrate your spreader to ensure proper coverage. Clean & lubricate spreader after use.

**TIPS FOR IMPROVED CONTROL:** For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. Irrigation or rainfall within 7 days after application may improve weed control. Use of split (half rate) applications spaced 6-8 weeks apart may provide improved weed control.

**RESEEDING, OVERSEEDING, OR SPRIGGING:** Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. When seeding, follow good cultural practices such as soil cultivation, irrigation and fertilization. For best results, use "slit seeders" for good seed-to-soil contact.

**CONTROL OF OTHER GRASS AND BROADLEAF WEEDS:**

**SPRING APPLICATIONS:** Used as directed for crabgrass control in spring, this product will also control or suppress the following weeds when applied prior to their emergence: Barnyardgrass, Bluegrass (annual, roughstalk), Crowfootgrass, Foxtail (yellow & green)\*, Goosegrass, Kikuyugrass, Lespedeza (common), Oxalis (buttercup, creeping & yellow woodsorrel), Purslane (common), Ryegrass (annual & perennial), Smutgrass, Speedwell (corn), Spurge (prostrate and spotted).

\*Foxtail is also controlled at the program 2 rates.

**FALL APPLICATIONS:** Used as directed in late summer or early fall, for crabgrass control through the early part of the next spring, this product will also control or suppress the following weeds when applied prior to their emergence: Bluegrass (annual, roughstalk), Bittercress, Chickweed, Geranium (Carolina), Henbit, Parsley-piert, Pineappleweed, Shepherdspurse.

**NOTICE:** Buyer and user assume all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store in original container in a locked storage area out of reach of children and domestic animals.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>